

L Number	Hits	Search Text	DB	Time stamp
1	3136	((138/26) or (138/30) or (138/42) or (138/44)).CCLS.	USPAT; US-PGPUB	2003/02/07 12:58
2	770	((181/222) or (181/232) or (181/238) or (181/256) or (181/257) or (181/275) or (181/281)).CCLS.	USPAT; US-PGPUB	2003/02/07 12:58
3	3	((("6338363") or ("6269841") or ("6073656"))).PN.	USPAT; US-PGPUB	2003/02/07 13:07
4	16	("3323305" "3376625" "4043539" "4371053" "4501341" "4611633" "4794955" "5094271" "5168855" "5201343" "5475976" "5495711" "5509391" "5539164" "5728981" "5941283").PN.	USPAT	2003/02/07 12:59
7	16	("3323305" "4371053" "4501341" "4611633" "4671380" "5168855" "5172729" "5201343" "5495711" "5509391" "5539164" "5728981" "5941283" "6073656" "6123108" "6125890").PN.	USPAT	2003/02/07 13:01
8	21	("3323305" "3376625" "3532125" "3842940" "3878867" "4043539" "4064963" "4371053" "4501341" "4671380" "4794955" "5025890" "5094271" "5168855" "5201343" "5475976" "5495711" "5509391" "5539164" "5728981" "5941283").PN.	USPAT	2003/02/07 13:01
12	8	("3147097" "4611633" "4705138" "5094271" "5172729" "5201343" "5449866" "5495711").PN.	USPAT	2003/02/07 13:02
14	4	("3323305" "5094271" "5475976" "5495711").PN.	USPAT	2003/02/07 13:03
16	6	("3323305" "4285534" "4611633" "4828068" "5094271" "5172729").PN.	USPAT	2003/02/07 13:03
17	2	("0752175" "2330564").PN.	USPAT	2003/02/07 13:03
21	9	("2548965" "2646039" "3165123" "3323305" "3908788" "4243073" "4611633" "4671380" "5094271").PN.	USPAT	2003/02/07 13:04
26	4	("0260217" "0696277" "2213614" "3480105").PN.	USPAT	2003/02/07 13:05
32	30	("0443220" "2233804" "2683973" "3276478" "3323305" "3376625" "3842940" "3878867" "4043539" "4064963" "4116303" "4285534" "4371053" "4501341" "4611633" "4762150" "4784648" "4794955" "5025890" "5094271" "5168855" "5172729" "5201343" "5475976" "5495711" "5509391" "5539164" "5728981" "5785089" "5941283").PN.	USPAT	2003/02/07 13:05
39	3895	((138/26) or (138/30) or (138/42) or (138/44)).CCLS.) or ((181/222) or (181/232) or (181/238) or (181/256) or (181/257) or (181/275) or (181/281)).CCLS.)	USPAT; US-PGPUB	2003/02/07 13:07

40	52	((("6338363") or ("6269841") or ("6073656")).PN.) or (("3323305" "3376625" "4043539" "4371053" "4501341" "4611633" "4794955" "5094271" "5168855" "5201343" "5475976" "5495711" "5509391" "5539164" "5728981" "5941283").PN.) or (("3323305" "4371053" "4501341" "4611633" "4671380" "5168855" "5172729" "5201343" "5495711" "5509391" "5539164" "5728981" "5941283" "6073656" "6123108" "6125890").PN.) or (("3323305" "3376625" "3532125" "3842940" "3878867" "4043539" "4064963" "4371053" "4501341" "4671380" "4794955" "5025890" "5094271" "5168855" "5201343" "5475976" "5495711" "5509391" "5539164" "5728981" "5941283").PN.) or (("3147097" "4611633" "4705138" "5094271" "5172729" "5201343" "5449866" "5495711").PN.) or (("3323305" "5094271" "5475976" "5495711").PN.) or (("3323305" "4285534" "4611633" "4828068" "5094271" "5172729").PN.) or (("0752175" "2330564").PN.) or (("2548965" "2646039" "3165123" "3323305" "3908788" "4243073" "4611633" "4671380" "5094271").PN.) or (("0260217" "0696277" "2213614" "3480105").PN.) or (("0443220" "2233804" "2683973" "3276478" "3323305" "3376625" "3842940" "3878867" "4043539" "4064963" "4116303" "4285534" "4371053" "4501341" "4611633" "4762150" "4784648" "4794955" "5025890" "5094271" "5168855" "5172729" "5201343" "5475976" "5495711" "5509391" "5539164" "5728981" "5785089" "5941283").PN.)	USPAT; US-PGPUB	2003/02/07 13:07
41	3855	((((138/26) or (138/30) or (138/42) or (138/44)).CCLS.) or (((181/222) or (181/232) or (181/238) or (181/256) or (181/257) or (181/275) or (181/281)).CCLS.)) not (((("6338363") or ("6269841") or ("6073656")).PN.) or (("3323305" "3376625" "4043539" "4371053" "4501341" "4611633" "4794955" "5094271" "5168855" "5201343" "5475976" "5495711" "5509391" "5539164" "5728981" "5941283").PN.) or (("3323305" "4371053" "4501341" "4611633" "4671380" "5168855" "5172729" "5201343" "5495711" "5509391" "5539164" "5728981" "5941283" "6073656" "6123108" "6125890").PN.) or (("3323305" "3376625" "3532125" "3842940" "3878867" "4043539" "4064963" "4371053" "4501341" "4671380" "4794955" "5025890" "5094271" "5168855" "5201343" "5475976" "5495711" "5509391" "5539164" "5728981" "5941283").PN.) or (("3147097" "4611633" "4705138" "5094271" "5172729" "5201343" "5449866" "5495711").PN.) or (("3323305" "5094271" "5475976" "5495711").PN.) or (((("3323305" "4285534" "4611633" "4828068" "5094271" "5172729").PN.) or (("0752175" "2330564").PN.) or (("2548965" "2646039" "3165123" "3323305" "3908788" "4243073" "4611633" "4671380" "5094271").PN.) or (("0260217" "0696277" "2213614" "3480105").PN.) or (("0443220" "2233804" "2683973" "3276478" "3323305" "3376625" "3842940" "3878867" "4043539" "4064963" "4116303" "4285534" "4371053" "4501341" "4611633" "4762150" "4784648" "4794955" "5025890" "5094271" "5168855" "5172729" "5201343" "5475976" "5495711" "5509391" "5539164" "5728981" "5785089" "5941283").PN.))	USPAT; US-PGPUB	2003/02/07 13:07
42	752677	hole or holes	USPAT; US-PGPUB	2003/02/07 13:08
43	1402107	opening or (hole or holes)	USPAT; US-PGPUB	2003/02/07 13:08

44	1343	((((138/26) or (138/30) or (138/42) or (138/44)).CCLS.) or (((181/222) or (181/232) or (181/238) or (181/256) or (181/257) or (181/275) or (181/281)).CCLS.)) not (((("6338363") or ("6269841") or ("6073656")).PN.) or (("3323305" "3376625" "4043539" "4371053" "4501341" "4611633" "4794955" "5094271" "5168855" "5201343" "5475976" "5495711" "5509391" "5539164" "5728981" "5941283").PN.) or (("3323305" "4371053" "4501341" "4611633" "4671380" "5168855" "5172729" "5201343" "5495711" "5509391" "5539164" "5728981" "5941283" "6073656" "6123108" "6125890").PN.) or (("3323305" "3376625" "3532125" "3842940" "3878867" "4043539" "4064963" "4371053" "4501341" "4671380" "4794955" "5025890" "5094271" "5168855" "5201343" "5475976" "5495711" "5509391" "5539164" "5728981" "5941283").PN.) or (("3147097" "4611633" "4705138" "5094271" "5172729" "5201343" "5449866" "5495711").PN.) or (("3323305" "5094271" "5475976" "5495711").PN.) or (("3323305" "4285534" "4611633" "4828068" "5094271" "5172729").PN.) or (("0752175" "2330564").PN.) or (("2548965" "2646039" "3165123" "3323305" "3908788" "4243073" "4611633" "4671380" "5094271").PN.) or (("0260217" "0696277" "2213614" "3480105").PN.) or (("0443220" "2233804" "2683973" "3276478" "3323305" "3376625" "3842940" "3878867" "4043539" "4064963" "4116303" "4285534" "4371053" "4501341" "4611633" "4762150" "4784648" "4794955" "5025890" "5094271" "5168855" "5172729" "5201343" "5475976" "5495711" "5509391" "5539164" "5728981" "5785089" "5941283").PN.))) and (opening or (hole or holes))	USPAT; US-PGPUB	2003/02/07 13:34
45	14	("4451966" "4585059" "4611633" "5094271" "5172729" "5201343" "5539164" "5728981" "5907134" "5941283" "6062265" "6073656" "6119728" "6155378").PN.	USPAT	2003/02/07 13:11

46	2512	((((138/26) or (138/30) or (138/42) or (138/44)).CCLS.) or (((181/222) or (181/232) or (181/238) or (181/256) or (181/257) or (181/275) or (181/281)).CCLS.)) not (((("6338363") or ("6269841") or ("6073656")).PN.) or (("3323305" "3376625" "4043539" "4371053" "4501341" "4611633" "4794955" "5094271" "5168855" "5201343" "5475976" "5495711" "5509391" "5539164" "5728981" "5941283").PN.) or (("3323305" "4371053" "4501341" "4611633" "4671380" "5168855" "5172729" "5201343" "5495711" "5509391" "5539164" "5728981" "5941283" "6073656" "6123108" "6125890").PN.) or (("3323305" "3376625" "3532125" "3842940" "3878867" "4043539" "4064963" "4371053" "4501341" "4671380" "4794955" "5025890" "5094271" "5168855" "5201343" "5475976" "5495711" "5509391" "5539164" "5728981" "5941283").PN.) or (("3147097" "4611633" "4705138" "5094271" "5172729" "5201343" "5449866" "5495711").PN.) or (("3323305" "5094271" "5475976" "5495711").PN.) or (("3323305" "4285534" "4611633" "4828068" "5094271" "5172729").PN.) or (("0752175" "2330564").PN.) or (("2548965" "2646039" "3165123" "3323305" "3908788" "4243073" "4611633" "4671380" "5094271").PN.) or (("0260217" "0696277" "2213614" "3480105").PN.) or (("0443220" "2233804" "2683973" "3276478" "3323305" "3376625" "3842940" "3878867" "4043539" "4064963" "4116303" "4285534" "4371053" "4501341" "4611633" "4762150" "4784648" "4794955" "5025890" "5094271" "5168855" "5172729" "5201343" "5475976" "5495711" "5509391" "5539164" "5728981" "5785089" "5941283").PN.))) not ((((138/26) or (138/30) or (138/42) or (138/44)).CCLS.) or (((181/222) or (181/232) or (181/238) or (181/256) or (181/257) or (181/275) or (181/281)).CCLS.)) not (((("6338363") or ("6269841") or ("6073656")).PN.) or (("3323305" "3376625" "4043539" "4371053" "4501341" "4611633" "4794955" "5094271" "5168855" "5201343" "5475976" "5495711" "5509391" "5539164" "5728981" "5941283").PN.) or (("3323305" "4371053" "4501341" "4611633" "4671380" "5168855" "5172729" "5201343" "5495711" "5509391" "5539164" "5728981" "5941283" "6073656" "6123108" "6125890").PN.) or (("3323305" "3376625" "3532125" "3842940" "3878867" "4043539" "4064963" "4371053" "4501341" "4671380" "4794955" "5025890" "5094271" "5168855" "5201343" "5475976" "5495711" "5509391" "5539164" "5728981" "5941283").PN.) or (("3147097" "4611633" "4705138" "5094271" "5172729" "5201343" "5449866" "5495711").PN.) or (("3323305" "5094271" "5475976" "5495711").PN.) or (("3323305" "4285534" "4611633" "4828068" "5094271" "5172729").PN.) or (("0752175" "2330564").PN.) or (("2548965" "2646039" "3165123" "3323305" "3908788" "4243073" "4611633" "4671380" "5094271").PN.) or (("0260217" "0696277" "2213614" "3480105").PN.) or (("0443220" "2233804" "2683973" "3276478" "3323305" "3376625" "3842940" "3878867" "4043539" "4064963" "4116303" "4285534" "4371053" "4501341" "4611633" "4762150" "4784648" "4794955" "5025890" "5094271" "5168855" "5172729" "5201343" "5475976" "5495711" "5509391" "5539164" "5728981" "5785089" "5941283").PN.))) and (opening or (hole or holes)))	USPAT; US-PGPUB	2003/02/07 13:34
----	------	---	--------------------	------------------

47	2512	((((((138/26) or (138/30) or (138/42) or (138/44)).CCLS.) or (((181/222) or (181/232) or (181/238) or (181/256) or (181/257) or (181/275) or (181/281)).CCLS.)) not (((("6338363") or ("6269841") or ("6073656")).PN.) or ((("3323305" "3376625" "4043539" "4371053" "4501341" "4611633" "4794955" "5094271" "5168855" "5201343" "5475976" "5495711" "5509391" "5539164" "5728981" "5941283").PN.) or ((("3323305" "4371053" "4501341" "4611633" "4671380" "5168855" "5172729" "5201343" "5495711" "5509391" "5539164" "5728981" "5941283" "6073656" "6123108" "6125890").PN.) or ((("3323305" "3376625" "3532125" "3842940" "3878867" "4043539" "4064963" "4371053" "4501341" "4671380" "4794955" "5025890" "5094271" "5168855" "5201343" "5475976" "5495711" "5509391" "5539164" "5728981" "5941283").PN.) or ((("3147097" "4611633" "4705138" "5094271" "5172729" "5201343" "5449866" "5495711").PN.) or ((("3323305" "5094271" "5475976" "5495711").PN.) or ((("3323305" "4285534" "4611633" "4828068" "5094271" "5172729").PN.) or ((("0752175" "2330564").PN.) or ((("2548965" "2646039" "3165123" "3323305" "3908788" "4243073" "4611633" "4671380" "5094271").PN.) or ((("0260217" "0696277" "2213614" "3480105").PN.) or ((("0443220" "2233804" "2683973" "3276478" "3323305" "3376625" "3842940" "3878867" "4043539" "4064963" "4116303" "4285534" "4371053" "4501341" "4611633" "4762150" "4784648" "4794955" "5025890" "5094271" "5168855" "5172729" "5201343" "5475976" "5495711" "5509391" "5539164" "5728981" "5785089" "5941283").PN.))) not ((((((138/26) or (138/30) or (138/42) or (138/44)).CCLS.) or (((181/222) or (181/232) or (181/238) or (181/256) or (181/257) or (181/275) or (181/281)).CCLS.)) not (((("6338363") or ("6269841") or ("6073656")).PN.) or ((("3323305" "3376625" "4043539" "4371053" "4501341" "4611633" "4794955" "5094271" "5168855" "5201343" "5475976" "5495711" "5509391" "5539164" "5728981" "5941283").PN.) or ((("3323305" "4371053" "4501341" "4611633" "4671380" "5168855" "5172729" "5201343" "5495711" "5509391" "5539164" "5728981" "5941283" "6073656" "6123108" "6125890").PN.) or ((("3323305" "3376625" "3532125" "3842940" "3878867" "4043539" "4064963" "4371053" "4501341" "4671380" "4794955" "5025890" "5094271" "5168855" "5201343" "5475976" "5495711" "5509391" "5539164" "5728981" "5941283").PN.) or ((("3147097" "4611633" "4705138" "5094271" "5172729" "5201343" "5449866" "5495711").PN.) or ((("3323305" "5094271" "5475976" "5495711").PN.) or ((("3323305" "4285534" "4611633" "4828068" "5094271" "5172729").PN.) or ((("0752175" "2330564").PN.) or ((("2548965" "2646039" "3165123" "3323305" "3908788" "4243073" "4611633" "4671380" "5094271").PN.) or ((("0260217" "0696277" "2213614" "3480105").PN.) or ((("0443220" "2233804" "2683973" "3276478" "3323305" "3376625" "3842940" "3878867" "4043539" "4064963" "4116303" "4285534" "4371053" "4501341" "4611633" "4762150" "4784648" "4794955" "5025890" "5094271" "5168855" "5172729" "5201343" "5475976" "5495711" "5509391" "5539164" "5728981" "5785089" "5941283").PN.))) and (opening or (hole or holes)))) not ((("4451966" "4585059" "4611633" "5094271" "5172729" "5201343" "5539164" "5728981" "5907134" "5941283" "6062265" "6073656" "6119728" "6155378").PN.)	USPAT; US-PGPUB	2003/02/07 13:37
----	------	--	--------------------	------------------